Specifications E-P3

OLYMPUS

Type	
Body material	Metal
Lens mount	Micro Four Thirds
Image Sensor	
Type	4/3'' Live MOS sensor
Effective pixels	12.3 Megapixels
Aspect ratio & area	4:3 / 17.3 x 13.0mm
Full resolution	13.1 Megapixels
Engine	
Type	TruePic VI
Image Stabiliser	
Type	Sensor shift
Modes	Two-dimensional, vertical or horizontal activation
Shutter speed range	2 - 1/4000 s (not available when Bulb is selected)
Live View	
AF type	Contrast detection system
100% field of view	Approx. 100 %
Magnification levels	5 / 7 / 10 / 14 x
Level Gauge	
Detection	2-axis
Display	Rear LCD monitor
Monitor	
Monitor type	OLED- Touch Panel
Monitor size	7.6cm / 3.0''
Resolution	610,000 dots
Brightness adjustment	+/- 2 levels
Colour balance	+/- 3 levels Vivid (default) / Natural
Focusing System	
Method	Contrast Detection AF system (when non high-speed contrast AF compatible lens is used, it works as MF assist)
Focus areas	35 points / Automatic and manual selection
AF lock	Yes, Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised)
Modes	Manual focus, Single AF, Continuous AF, Single AF + MF, AF Tracking
AF illuminator	Yes
Face Detection extension	Eye Detect AF: Off, Left side priority, Near side priority, Right side priority
Full time AF	Yes
Manual focus	Yes, With enlarged focusing area
Light Metering	
Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	0 - 20 EV (17mm f2.8, ISO 100)Digital ESP, centre-weighted average metering, spot metering
Modes	ESP light metering, Spot metering, Centre weighted metering, Highlight, Shadow
Exposure System	
Modes	Programme automatic, i-Auto, Aperture priority, Shutter priority, Manual, Scene Modes, Art Filter
Exposure compensation	+/- 3EV (1, 1/2, 1/3 steps)
Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps)
	7 frames (+/- 1/3, 1/2, 2/3 EV steps)
ISO bracketing	5 frames (1/3, 1/2, 1 EV steps)
AE lock	Yes, (Fn1/Rec button)
My Mode	4 settings storable
Enhancement function	Shadow Adjustment Technology
Art Filter	
Variation / Effect	Available
Modes	Pop Art, Soft Focus, Pale & Light Colour, Light Tone, Grainy Film, Pin Hole, Diorama, Cross Process, Dramatic Tone, Gentle Sepia
Multi-Exposure	
Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Yes
Sensitivity	
Auto	ISO 200 - 12800 (customisable, default ISO 200 - 1600)
Manual	ISO 200 - 12800
Shutter	
Shutter type	Computerised focal-plane shutter
Self timer	2s / 12s
Shutter Speeds	
Shutter speed range	1/4000 - 60s (in 1/3, 1/2, 1 EV steps)
Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)

White Balance	
AUTO WB system	Advanced detection system with Live MOS sensor
Auto Flash adjustment	Off / Auto WB / Flash
Keep warm colour	On / Off
Recording Formats	
RAW	12bit
RAW & JPEG	Yes, parallel recording
JPEG	Yes
Aspect ratio	4:3 / 3:2 / 16:9 / 6:6 / 3:4
MPO (3D)	Yes
Sequence Shooting	
Speed (H)	Approx. 3 fps
RAW Mode	17 frames (with Toshiba SDXC UHS-I card R95 W80 model Premiugate series "Class 10" 8GB)
JPEG Mode	Depends on compression ratio or number of pixels (Large normal mode: approx. 17 with Toshiba Super High Speed type "Class 6" 4GB)
Image Processing	
Colour space	sRGB / AdobeRGB
Sharpness + Contrast	5 levels
Contrast	5 levels
Saturation	5 levels
Black & White filter	Yellow, Orange, Red, Green
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode
Picture mode	i-Enhance, Vivid, Natural, Portrait, Muted, Monotone, Art Filter
Gradation	4 levels (auto, high key, normal, low key)
Engine	TruePic VI
Art Filter bracketing	Available
Tele converter effect	2 x
Image Editing	RAW data edit, Red-eye reduction, Sepia, Black & White, Resize, Correction of saturation, Shadow Adjustment, Trimming, e-Portrait
Movie Recording System	
Recording format	AVCHD / AVI Motion JPEG®
Image Stabilisation Mode	Yes, Digital Image Stabilisation
HD Movie quality	Full HD 1920 x 1080 (16:9) 60i, 20Mbps (AVCHD)
	Full HD 1920 x 1080 (16:9) 60i, 17Mbps (AVCHD)
	HD 1280 x 720 (16:9) 60p, 17Mbps
	HD 1280 x 720 (16:9) 60p, 13Mbps
	HD 1280 x 720 (16:9) / 30fps (AVI Motion JPEG®)
Movie quality	640 x 480 / 30fps (AVI Motion JPEG®)
Max. recording time	29 min (HD)
	22min (20Mbps)
	14min (SD) / 7 min (HD)
Max. file size	4GB (AVCHD)
	2GB (Motion-JPEG)
Exposure Modes	Aperture priority, Art Filter, Manual, Programme automatic, Shutter priority
Sound Recording System	
Internal microphone	Stereo
External microphone	Optional
Recording format	Dolby Digital (AVCHD)
	Stereo PCM/16bit, 48kHz, Wave Format Base (Motion-JPEG)
Image footage	30s
Speaker	Yes
Internal Flash	
Modes	AUTO, Manual, Manual (Full, 1/4, 1/16, 1/64), Red-eye reduction, Slow synchronisation with red-eye reduction, Slow synchronisation, Slow synchronisation 2nd curtain, Fill-in, Off
Type	pop-up
Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps
Guide number	10 (ISO 200)
Manual settings	Full, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64
X-sync speed	1/180 s
External Flash Control	
X-sync speed	1/180s / 1/4000s (Super FP Mode)
Type	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL
Modes	Auto, Red-eye reduction, Slow synchronisation, 2nd curtain and slow synchronisation, Fill-in for exclusive flash, Manual
Intensity	+/- 3 EV (1/3, 1/2, 1 EV steps)
	Note: Some functions are only available if they are supported by the external flash.

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Wireless Flash Control	
Number of channels	4 channels
Compatible external flash	FL-50R, FL-36R, FL-300R
Control method	Triggered and controlled by built-in flash light
Group setting	3 groups
	Available when used together with cameras compatible with the Olympus wireless RC flash system.
Power Supply	
Battery	Lithium-Ion Battery
Sleep mode	1, 3, 5, 10 min. and off selectable.
Live View shooting	330 images (100% with Live View)
Interface	
Media	SD Memory Card (SDHC, SDXC, UHS-I compatible) Class 6 is recommended for Movie shooting
HDMI™	Yes, Mini connector (type C)*
USB 2.0 High Speed	Yes
Combined V & USB output	Yes, NTSC or PAL selectable
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Eye-Fi Card compatible	Yes
BlueTooth	Yes
Size	
Dimensions (W x H x D)	122 x 69.1 x 34.3mm
Weight	321g (without battery and card)
Exterior	
Grip	Exchangable

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